

DDI / IPAM: DNS, DHCP, IP Address Management



All business functions - Finance, Marketing, Sales, Operations - depend on the reliability and integrity of your IP network. System outages and weak IP infrastructure put your operations at risk and hinder future business initiatives. Can you answer these questions? If not, your operations may be at risk.

*Do you have enough IP Addresses for emerging mobile technologies?
Can you pinpoint and isolate foreign intruders in your network?
Can your network engineers read this - 2001:db8:85a3::8a2e:370:7334?*

The Challenge

A solid IPAM foundation is critical to ensuring your company can fully leverage its technology investment. IP-enabled devices – smart phones, PDAs, PCs – are integral to succeeding in today's global, 24/7 business environment. Moreover, the introduction of new technologies (VoIP, IP telephony, RFID, IP cameras) and compliance with mandates to implement IPv6 and DNSSEC can double your IP address requirements overnight. Each new device requires an additional IP address and each new system adds another layer of IPAM responsibility for already overburdened IT departments.

The traditional, manual methods of managing and monitoring IP addresses have become not only impractical, but in many cases, impossible. With the continuing reductions in IT budgets and staff, outdated IPAM can lead your organization into unforeseen and potentially crippling network crises. It is critical for organizations to ensure business functions are not interrupted or compromised by building a solid IPAM framework. Most companies do not have the in-house expertise to build this framework. Other companies have IPAM frameworks in place, but they are underutilized or ineffectively managed. To maintain your network's integrity through staff and technology changes, outsourced IPAM managed services makes financial and functional sense.

The Partnership

When a company decides to outsource IPAM to PCN, we don't just sell hardware and software, we establish a partnership. We seamlessly integrate with your internal IT department by mapping our project, problem, incident, and change management processes to yours. Our end-to-end solution encompasses full life cycle management of your IP, DNS, and DHCP infrastructure and services from project planning and implementation through steady-state management, to upgrade and retirement. At each stage, we perform Data Discovery, Validation, and Reconciliation to ensure your data is consistent and accurate. With our 24/7 emergency support, your internal IT can rest assured that expert help is just a phone call away.

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PCN's Managed Service Solution Overview (con't)

The Tools

Whether you already have an IPAM system in place, have discrete components that need to integrate with centralized IPAM tools, or need to upgrade to a new system, PCN can help. Unlike many IPAM consultants, PCN is vendor agnostic. We are not exclusively affiliated with a particular company or software. We choose the tools that work best for you and your organization.

The Team

Outsourcing to PCN's team of IPAM experts helps you better utilize internal staff and keep your IPAM data and processes consistent. Our experts have years of experience spanning the evolution of IP address management and technology from early spreadsheets to the most current, industry-leading technology.

The Cost

PCN will work with you to structure costs in a way that meets your requirements – we can provide a fixed monthly fee with no upfront costs or provide a fixed startup cost with a lower monthly fee. Budgeting is easy because costs are transparent with no required internal training expenditures.

Benefits of PCN's Solution to the Client

- Augments internal IT capabilities with dedicated expert focus on DDI/IPAM
- Auditing, data reconciliation, and user-friendly web-based reporting
- Improved control/security/change management discipline
- Improved ability to troubleshoot network issues
- Proactively manage DHCP pool utilization and avoid network outages
- Logical view of the IP addressing architecture and related components
- Centrally manage DNS and DHCP appliances or services
- Pinpoint issues and recommend customized solutions
- SLA based day-to-day management of customer changes, problems, and incidents utilizing an ITIL compliant service management platform

PCN's Solution - A Cut Above the Rest	
Installation and configuration of large scale solutions	✓
Perform Level 2+ problem and incident troubleshooting and resolution	✓
Perform requested DNS, DHCP and IPAM Moves, Adds, Changes & Deletions	✓
Adhere to corporate or customer guidelines	✓
Vendor agnostic – PCN engineers have expertise in ALL major vendor of software and hardware	✓
Ongoing Discovery, Validation, Reconciliation , and Reclamation of all subnets and IP addresses in a customer network	✓
PCN Engineers have decades of experience in IPAM, DNS and DHCP	✓
Service management platform designed to integrate into customer and prime contractor ticketing systems	✓
Independent audit and review of customer IPAM, DNS and DHCP architecture	✓

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